

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	158	((input or ingress) same (buffer or queue or FIFO) same port same controller) and (switch same (buffer or queue or FIFO) same (scheduler)) and ((output or egress) same (buffer or queue or FIFO) same port)	US-PGPUB; USPAT	OR	ON	2006/12/10 10:52
L2	6	((((input or ingress) same (buffer or queue or FIFO) same port same controller) and (switch same (buffer or queue or FIFO) same (scheduler)) and ((output or egress) same (buffer or queue or FIFO) same port)) and (re adj transmit\$4)	US-PGPUB; USPAT	OR	ON	2006/12/10 11:02
L3	7	((((input or ingress) same (buffer or queue or FIFO) same port same controller) and (switch same (buffer or queue or FIFO) same (scheduler)) and ((output or egress) same (buffer or queue or FIFO) same port)) and (re adj transmi\$6)	US-PGPUB; USPAT	OR	ON	2006/12/10 11:04
L4	70	((input or ingress) same (buffer or queue or FIFO) same port same controller) and (switch same (buffer or queue or FIFO) same (controller or processor or processing)) and ((output or egress) same (buffer or queue or FIFO) same port) and (re adj transmi\$6)	US-PGPUB; USPAT	OR	ON	2006/12/10 11:07
L5	15	((input or ingress) same (buffer or queue or FIFO) same port same controller) and (switch same (buffer or queue or FIFO) same (controller or processor or processing)) and ((output or egress) same (buffer or queue or FIFO) same port) and ((re adj transmi\$6) same (discard\$4 or drop\$4))	US-PGPUB; USPAT	OR	ON	2006/12/10 11:13
L6	176	(input or ingress) same (buffer or queue or fifo) same ((re adj transmi\$6) or (re adj send))	US-PGPUB; USPAT	OR	ON	2006/12/10 11:15
L7	20	((input or ingress) same (buffer or queue or fifo) same ((re adj transmi\$6) or (re adj send))) and crossbar	US-PGPUB; USPAT	OR	ON	2006/12/10 11:18

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L15	73	((((input or ingress) same (buffer or queue or FIFO) same port) and (switch same (buffer or queue or FIFO)) and ((output or egress) same (buffer or queue or FIFO) same port)) and ((re adj (transmi\$6 or send\$4)) same (discard\$4 or drop\$4)) and (@rlad<"20020109" or @ad<"20020109"))	US-PGPUB; USPAT	OR	ON	2006/12/10 11:48
L16	36	((((input or ingress) same (buffer or queue or FIFO) same port same controller) and (switch same (buffer or queue or FIFO) same (scheduler)) and ((output or egress) same (buffer or queue or FIFO) same port)) and selector) and (@rlad<"20020109" or @ad<"20020109"))	US-PGPUB; USPAT	OR	ON	2006/12/10 12:09

EAST Search History

L8	48	(((input or ingress) same (buffer or queue or FIFO) same port same controller) and (switch same (buffer or queue or FIFO) same (scheduler)) and ((output or egress) same (buffer or queue or FIFO) same port)) and selector	US-PGPUB; USPAT	OR	ON	2006/12/10 11:18
L9	18	(((input or ingress) same (buffer or queue or FIFO) same port same controller) and (switch same (buffer or queue or FIFO) same (scheduler)) and ((output or egress) same (buffer or queue or FIFO) same port)) and (input same (buffer or queue or fifo) same selectors)	US-PGPUB; USPAT	OR	ON	2006/12/10 11:24

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L10	263	(schedul\$5 and (input or ingress) and (egress or output) and interface and (pair or two or dual) and control\$5 and stor\$5 and (signal or message or frame or data)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 11:37
L11	277	(schedul\$5 and (input or ingress) and (egress or output) and interfac\$5 and (pair or two or dual) and control\$5 and stor\$5).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 11:37
L12	20	(schedul\$5 and (input or ingress) and (egress or output) and interface and (pair or two or dual) and control\$5 and stor\$5 and (signal or message or frame or data) and (replac\$5 or overwrit\$5)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 11:38
L13	17	(schedul\$5 and (input or ingress) and (egress or output) and interface and (pair or two or dual) and control\$5 and stor\$5 and (signal or message or frame or data) and (replac\$5)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 11:42
L14	270	(schedul\$5 and (input or ingress) and (egress or output) and interfac\$5 and (pair or two or dual) and control\$5 and stor\$5 and (signal or message or frame or data)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 11:44

Scholar All articles Recent articles Results 1 - 86 of 86 for overflow retransmit buffer crossbar OR crosspoint. (0.25 sec

All Results

Did you mean: overflow retransmit **buffered** crossbar OR crosspoint

R Bhoedjang

H Bal

T Lee

T Ruhl

T Rühl

Measurements in switched Ethernet networks used for automationsystems - group of 3 »

E Vonnahme, S Ruping, U Ruckert - Factory Communication Systems, 2000. Proceedings. 2000 IEEE ..., 2000 - ieeexplore.ieee.org

... get lost when there is a **buffer overflow** in a ... have to be stored until the **retransmission** succeeds ... Without **buffer-** ing packets (Cut-Through-Switches) data can be ...

Cited by 6 - [Related Articles](#) - [Web Search](#)

TORUS: terabit-per-second ATM switching system architecture basedon distributed internal speed-up ... - group of 2 »

K Genda, N Yamanaka - Selected Areas in Communications, IEEE Journal on, 1997 - ieeexplore.ieee.org

... In the bufferless **crossbar**-type switch, cells are ... Notice that the **retransmission** mechanism is so simple ... offered load under which input-**buffer overflow** does not ...

Cited by 9 - [Related Articles](#) - [Web Search](#)

User-level network interface protocols - group of 5 »

RAF Bhoedjang, T Ruhl, HE Bal - Computer, 1998 - ieeexplore.ieee.org

... be solved by recovering from **buffer overflow** or preventing ... and Trapeze, or implement a **retransmission** protocol on ... RECOVERING FROM OVERFLOW In PM, which assumes ...

Cited by 109 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[PS] Switcherland—An Interconnect for Workstations - group of 6 »

E Oertli, H Eberle - Proc. of the 21st EUROMICRO Conference. IEEE, 1995 - cs.inf.ethz.ch

... To prevent **buffer overflow**, **buffer** space is reserved in all ... issued the failed request or **retransmission** of the ... is a **crossbar** switch, disk, or frame **buffer**. ...

Cited by 4 - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

A workstation interconnect supporting time-dependent datatransmission

H Eberle - Multimedia Communications, 1994. MULTIMEDIA'94., 5th IEEE ..., 1994 - ieeexplore.ieee.org

... the loss and, with it, the **retransmission** of cells ... dropped by a switch due to **buffer overflow**, assuming that ... a time.division multiplexed bus into **buffer** memory. ...

Cited by 2 - [Related Articles](#) - [Web Search](#)

Design and implementation of Abacus switch: a scalable multicastATM switch - group of 9

»

HJ Chao, BS Choe, JS Park, N Uzun - Selected Areas in Communications, IEEE Journal on, 1997 - ieeexplore.ieee.org

... routed to RM's 1 and , but discarded in RM 3 and will **retransmit** in the next ... During **retransmission**, it is written back to the one-cell **buffer** in case it ...

Cited by 15 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[PS] Design and Evaluation of ParaStation2 - group of 8 »

TM Warschko, JM Blum, WF Tichy - Proceedings of the International Workshop on Distributed ..., 1998 - ipd.uka.de

... This **RETRANSMIT** { INTRANSIT cycle may happen ... does not need sequence checking; the associated buer is marked for **retransmission** as long ... prevent **buffer overflow** ...

Cited by 5 - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

[PS] A Modular VLSI Implementation Architecture for Communication Subsystems - group of 4 »

T Braun, J Schiller, M Zitterbart - 4th IFIP Workshop on Protocols for High-Speed Networks, ..., 1994 - iam.unibe.ch

... The sender has to re- transmit the bytes indicated by a gap if ... 5.2 Operations of

the **Retransmission** ALU ... flag if it failed due to memory **overflow** or violation ...
[Cited by 4](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

A network switch for supporting high-performance parallel processing by computers distributed in ... - group of 2 »

H Nishi, K Tasho, T Kudoh, H Amano - Systems and Computers in Japan, 2001 - doi.wiley.com
... Thus, mechanisms such as error checking or **retransmission** become necessary ... side 2
Ps prior to the **overflow** of the ... sent to the LEB (last end **buffer**) module via ...
[Related Articles](#) - [Web Search](#) - [BL Direct](#)

Dynamically-allocated multi-queue buffers for VLSI communicationswitches - group of 6 »

Y Tamir, GL Frazier - Computers, IEEE Transactions on, 1992 - ieeexplore.ieee.org
... in order to achieve the same probability of **buffer overflow**. ... The acknowledgment and **retransmission** can be done either on ... packet can be read from a **buffer** at a ...
[Cited by 90](#) - [Related Articles](#) - [Web Search](#) - [Library Search](#) - [BL Direct](#)

Nonblocking copy networks for multicast packet switching - group of 5 »

TT Lee, BC Res, NJ Morristown - Selected Areas in Communications, IEEE Journal on, 1988 - ieeexplore.ieee.org
... Sec- tion VI is devoted to the estimation of **overflow** probab- ities of the inputs of copy network by means of Chernoff bound. ...
[Cited by 166](#) - [Related Articles](#) - [Web Search](#)

A virtual bus architecture for dynamic parallel processing - group of 9 »

KC Lee - Parallel and Distributed Systems, IEEE Transactions on, 1993 - ieeexplore.ieee.org
... when the size of the queue is larger than the available **buffer** sizes. ... to achieve the same level of throughput, an H-bit wide parallel **crossbar** switch will only ...
[Related Articles](#) - [Web Search](#)

[BOOK] Design Issues for User-level Network Interface Protocols on Myrinet - group of 5 »

R Bhoedjang, T Rühl, HE Bal - 1998 - cs.cornell.edu
... To avoid host **buffer overflow**, LFC implements additional flow ... face or implement a **retransmission** protocol ... eg, MPI, TCP) are supposed to **retransmit** lost messages ...
[Cited by 16](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [Library Search](#)

[BOOK] QoS Provisioning in Clusters: An Investigation of Router and NIC Design - group of 13 »

KH Yum, EJ Kim, CR Das - 2001 - Pennsylvania State University, Dept. of Computer Science and ...
... later for making a dummy header for the **retransmission** of m1 ... maining flits of m1 between the flit decoder **buffer** and the input port of the **crossbar** as shown ...
[Cited by 13](#) - [Related Articles](#) - [Web Search](#) - [Library Search](#) - [BL Direct](#)

Virtual network transport protocols for Myrinet - group of 15 »

BN Chun, AM Mainwaring, DE Culler - Micro, IEEE, 1998 - ieeexplore.ieee.org
... When **buffer overflow** occurs, the protocol drops packets and ... determines how packet **retransmission** events are ... are periodically scanned for packets to **retransmit**. ...
[Cited by 98](#) - [Related Articles](#) - [Web Search](#) - [Library Search](#) - [BL Direct](#)

ATM Architectures Using Optical Technology: An Overview of Switching, Buffering and - group of 3 »

M Guizani - INTERNATIONAL JOURNAL OF NETWORK MANAGEMENT, 1997 - doi.wiley.com
... (2) **Crosspoint buffer** switches ... Output **buffer** switches offer great application ... No **retransmission** for lost or erroneous cells is performed at this layer. ...
[Related Articles](#) - [Web Search](#) - [BL Direct](#)

RAMP: a reliable adaptive multicast protocol - group of 3 »

A Koifman, S Zabele, R TASC - INFOCOM'96. Fifteenth Annual Joint Conference of the IEEE ..., 1996 - ieeexplore.ieee.org
... both latency and the likelihood of **buffer overflow**. ... due to receiver errors and **buffer** oveiflows. ... are necessarily correlated, and **retransmission** using multicast ...
[Cited by 76](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Issues in designing truly scalable interconnection networks

LM Ni - Parallel Processing, 1996. Proceedings of the 1996 ICPP ..., 1996 - ieeexplore.ieee.org
... In Convex Exemplar, each node is a **crossbar** network with 8 processors and the ... 362
Buffer Capacity and Organization Most of cut-through switches support input ...
[Cited by 11](#) - [Related Articles](#) - [Web Search](#)

Solution for packet switching of broadband ISDN - group of 2 »

CM Weng, JJ Li - Communications, Speech and Vision, IEE Proceedings I, 1991 - ieeexplore.ieee.org
... **Buffer overflow** only occurs when all L buffers are full. ... in the sense that one of the contention packets always survives, a simple **retransmission** algorithm is ...
[Cited by 1](#) - [Related Articles](#) - [Web Search](#)

Performance of a High-Level Parallel Language on a High-Speed Network - group of 7 »

HE Bal, R Bhoedjang, RFH Hofman, CJH Jacobs, K ... - Journal of Parallel and Distributed Computing, 1997 - cs.cornell.edu
... Receive queue Forwarding multicast fragment **crossbar** switch ... can be solved using a flow control mechanism that prevents **buffer overflow**, just as for FM point-to ...
[Cited by 29](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [Library Search](#) - [BL Direct](#)

Processing and nonprocessing satellite architectures for support of ATM traffic

BA Pontano, D Chitre, L White, T Henderson, K ... - Military Communications Conference, 1993. MILCOM'93. ..., 1993 - ieeexplore.ieee.org
... al- though the satellite switch architecture is self-routing, 930750 some amount of flow control must be maintained by the network to avoid **buffer overflow**. ...
[Cited by 3](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Enabling High Bandwidth Applications by High-Performance Multicast Transfer Protocol Processing - group of 5 »

G Carle, J Schiller - 6 th IFIP Conference on Performance of Computer Networks, ..., 1995 - www-ri.informatik.uni-tuebingen.de
... delay products do not lead to high **buffer** requirements. ... if it failed due to memory **overflow** or violation ... ATM access and components for **retransmission** support ...
[Cited by 10](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

Modelling and simulating the ATLAS Trigger/DAQ system with SCI - group of 3 »

B Wu, B Skaali, A Bogaerts - Nuclear Science, IEEE Transactions on, 1996 - ieeexplore.ieee.org
... it was rejected due to queue **overflow** or transmission ... A **retransmission** will happen if the sending was ... the overall performance such as T2 **buffer** occupancy and ...
[Related Articles](#) - [Web Search](#) - [BL Direct](#)

Efficient multicast on Myrinet using link-level flow control - group of 7 »

RAF Bhoedjang, T Ruhl, HE Bal - Parallel Processing, 1998. Proceedings. 1998 International ..., 1998 - ieeexplore.ieee.org
... special mechanism to deal with **buffer overflow** on NIs ... hardware by avoiding receiver **buffer** over- runs ... senders need not buffer packets for **retransmission**, nor need ...
[Cited by 50](#) - [Related Articles](#) - [Web Search](#)

Flow control in the high-speed Thunder and Lightning ATM network - group of 3 »

MD Santos, PM Melliar-Smith, LE Moser - Computer Communications, 2000 - Elsevier
... that no cells will be lost due to **buffer overflow**. ... output port, the speed at which each **buffer** must operate ... delay is incurred before the **retransmission** can be ...
[Cited by 7](#) - [Related Articles](#) - [Web Search](#)

SCI implementation study for LHCb Data Acquisition

H Muller - report, LHCb-98-030, 1998 - hmuller.home.cern.ch
... Read Prefetch: • -**Buffer** enables high read through- put ... as thesis (Ref 5). New commercial SCI switches are based on internal **crossbar** link technology ...
[Cited by 2](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

Modular VLSI Implementation Architecture For The Scalable Provision Of High-Performance Multimedia ...

G Carle, J Schiller - Architecture and Implementation of High Performance ..., 1995 - ieeexplore.ieee.org

... For example, selective **retransmission** is provided by a dedicated VLSI component. ... which causes high speed networks to discard packets is **buffer overflow** due to ...
[Cited by 3](#) - [Related Articles](#) - [Web Search](#)

Time Constrained Communication over Switched Ethernet - group of 2 »

Y Song - 4th IFAC International Conference on Fieldbus Systems and ..., 2001 - loria.fr
... adopt various internal architectures like **crossbar** or Banyan ... waits a random delay before to **retransmit**. ... architecture is the output **buffer overflow** when many ...
[Cited by 18](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

High performance communication for MIMD supercomputers

J Gries, A Hahlweg, R Harneit, A Kern, HC Zeidler - Proceedings of the 5th international conference on ..., 1991 - portal.acm.org
... On the other hand, very general networks like a **crossbar** switch are too ... cle the contents of the send **buffer** can be written into ... To avoid a memory **overflow**, a ...
[Related Articles](#) - [Web Search](#)

S-Connect: from networks of workstations to supercomputerperformance - group of 4 »

AG Nowatzky, MC Browne, EJ Kelly, M Parkin - Computer Architecture, 1995. Proceedings. 22nd Annual ..., 1995 - ieeexplore.ieee.org
... bar switch assumes input buffering while the **buffer** pool is essentially equivalent to an input- and output-buffered **crossbar** with zero **buffer** transfer times. ...
[Cited by 50](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[PS] A scalable interconnect for distributed multimedia systems

H Eberle - 2nd IASTED-ISMM International Conference on Distributed ..., 1995 - inf.ethz.ch
... the nodes from loosing VBR cells due to **buffer overflow**. ... appropriate actions such as the **retransmission** of the ... time-division multiplexed bus into **buffer** memory ...
[Cited by 1](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

[PS] Switcherland-A Scalable Interconnection Structure for Distributed Computing - group of 5 »

H Eberle - 3rd International Conference of the Austrian Center for ..., 1996 - cs.inf.ethz.ch
... the nodes from loosing VBR cells due to **buffer overflow**. ... the appropriate actions such as the **retransmission** of the ... bandwidth b and an output **buffer** needs to ...
[Cited by 4](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

Advanced DSP Architectures using ANSI Standard Interconnects; FPDP, Serial FPDP, Raceway, and Fibre ... - group of 3 »

T Bohman, I VMETRO - DEDICATED SYSTEMS MAGAZINE, 2000 - omimo.be
... SUSP Indicates pending **buffer overflow** 16 clocks ... Figure 6. Serial FPDP FMC & **Crossbar** Matrix Switch ... switch is employed to replicate and **retransmit** the Serial ...
[Related Articles](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

Analysis of a discrete-time G [X]/D/1-S queueing systemwith applications in packet-switching systems

P Tran-Gia, H Ahmadi - INFOCOM'88. Networks: Evolution or Revolution? Proceedings. ..., 1988 - ieeexplore.ieee.org
... Because of the limited queue size, **overflow** can occur ... to approximate a finite capacity **buffer** with a ... including other factors such as **retransmission** time arising ...
[Related Articles](#) - [Web Search](#)

A high performance copy network for B-ISDN

CL Targ, JS Meditch, TC Syst, WA Bellevue - INFOCOM'91. Proceedings. Tenth Annual Joint Conference of ..., 1991 - ieeexplore.ieee.org
... given in [2] to esti- mate the **overflow** probabilities of ... and the control protocol for the **retransmission** of blocked ... and sends packets to the receive **buffer** (RB ...
[Cited by 7](#) - [Related Articles](#) - [Web Search](#)

Analyzing communication latency using the Nectar communication processor - group of 21 »

P Steenkiste - Applications, Technologies, Architectures, and Protocols for ..., 1992 - portal.acm.org

... We study how much context switching, **buffer** management and ... consists of a high-bandwidth **crosspoint** network (Figure ... and restored on window **overflow** and underflow ...
[Cited by 15](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

IP router architectures: an overview - group of 17 »

J Aweya - International Journal of Communication Systems, 2001 - ccse.kfupm.edu.sa
... 8 **overflow** or for their lookup to become slower than the ... is in effect a switch (eg, shared memory, **crossbar**, ... with appropriate processing power and **buffer** space ...
[Cited by 24](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

Design and analysis of high performance multistage interconnection networks - group of 4 »

SK Bhogavilli, H Abu-Amara - Computers, IEEE Transactions on, 1997 - ieeexplore.ieee.org
... greater than some fixed value due to **buffer overflow** [18]. ... BM of stage (k + 1) when a **buffer** space is ... were in fact accepted, such a **retransmission** would result ...
[Cited by 3](#) - [Related Articles](#) - [Web Search](#) - [Library Search](#) - [BL Direct](#)

Per Virtual Circuit Credit Based Flow Control On A Wide Area ATM Network - group of 2 »

SW Seetharam - 1994 - members.tripod.com
... data) due to **buffer overflow**. ... that Flow Control requires a very bare minimum amount of **buffer** space ... aspects such as cell loss, packet **retransmission**, and delay ...
[Related Articles](#) - [View as HTML](#) - [Web Search](#) - [Library Search](#)

Weighted round-robin cell multiplexing in a general-purpose ATM switch chip - group of 3 »

M Katevenis, S Sidiropoulos, C Courcoubetis - Selected Areas in Communications, IEEE Journal on, 1991 - ieeexplore.ieee.org
... packets than to drop them and later **retransmit** them. ... time room is made in a local **buffer** for more ... This guarantees that buffers will never **overflow** and packets ...
[Cited by 194](#) - [Related Articles](#) - [Web Search](#)

Multicasting at the Host Interface Level in Wormhole Networks - group of 9 »

C Casetti, E Leonardi, F Neri, C Anglano - Network Protocols, 1998. Proceedings. Sixth International ..., 1998 - doi.ieeecomputersociety.org
... order to avoid packet losses due to **buffer overflow**. ... 6], combines restricted routing and **buffer** partition ... worm replication and **retransmission** entirely in ...
[Related Articles](#) - [Web Search](#)

The network architecture of the Connection Machine CM-5 (extended abstract) - group of 14 »

CE Leiserson, DS Wells, MC Wong, SW Yang, R Zak, ... - Proceedings of the fourth annual ACM symposium on Parallel ..., 1992 - portal.acm.org
Page 1. The Network Architecture of the Connection Machine CM-5 (Extended Abstract) Charles E. Leiserson,* Zahi S. Abuhamdeh, David ...
[Cited by 343](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

A Modular Architecture for Very Large Packet Switches - group of 2 »

TT LEE - IEEE TRANSACTIONS ON COMMUNICATIONS, 1990 - ieeexplore.ieee.org
... The cross interconnection of M binary trees and K banyan networks is similar to the link system of a multistage **crossbar** switch. ...
[Cited by 59](#) - [Related Articles](#) - [Web Search](#)

METANET: principles of an arbitrary topology LAN - group of 2 »

Y Ofek, M Yung - IEEE/ACM Transactions on Networking (TON), 1995 - portal.acm.org
... that should be sent over a busy link this packet will be stored in the link **buffer** (LB). ... This property is easy to implement if a "**crossbar** switch" is used. ...
[Cited by 13](#) - [Related Articles](#) - [Web Search](#)

SXmin: a self-routing high-performance ATM packet switch based on group-knockout principle - group of 6 »

R Kannan, R Bartos, KY Lee, HF Jordan - Communications, IEEE Transactions on, 1997 - ieeexplore.ieee.org
... **Retransmission** of packets lost in the network (either due to ... up the operation of each individual output **buffer** by a ... scheme when there is packet **overflow** at any ...

[Cited by 10](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

A Conflict Sense Routing Protocol and Its Performance for Hypercubes - group of 7 »

EA Varvarigos, DP Bertsekas - IEEE Transactions on Computers, 1996 - dspace.mit.edu

... when the **buffer** space per node is limited and packets must occasionally be dropped. ...

links and the **buffer** space are used on a demand basis. ...

[Cited by 4](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [Library Search](#) - [BL Direct](#)

[PS] Performance Optimizations of Switched SCI-Rings

H Richter, M Liebhart - Proc. 11th Annual Intern. Symp. on High Performance ..., 1997 - sci.web.cern.ch

... by the receiver, due to queue **overflow** or other ... Of course, the sender should **retransmit**

the packet as a ... if a delay time for the **retransmission** of rejected SCI ...

[Cited by 1](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

TOWARD THE DESIGN OF LARGE-SCALE, SHARED-MEMORY MULTIPROCESSORS - group of 5 »

SLEE SCOTT - 1992 - citeseer.csail.mit.edu

... A full **crossbar** interconnect, for instance, requires $O(N^2)$ switching elements. ...

2). By this measure, a full **crossbar** is not considered scalable. ...

[Cited by 5](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [Library Search](#)

[BOOK] Using Broadcasting to Implement Distributed Shared Memory Efficiently - group of 6 »

S Tanenbaum, MF Kaashoek, HE Bal - 1990 - pdos.lcs.mit.edu

... However, here too, **overflow** is still a possibility ... to the sequencer asking for a

private **retransmission** of the ... missing message from its history **buffer** and sends ...

[Cited by 3](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [Library Search](#)

COMMUNICATION MECHANISMS IN SHARED MEMORY MULTIPROCESSORS - group of 4 »

GT Byrd - 1998 - citeseer.csail.mit.edu

... tion, data transfer, and hardware-assisted **buffer** management. ... 3.4.5 **Overflow** or acknowledgements ... max [99], Sequent Symmetry [68]), **crossbar** (C.mmp [69], S-1 [98] ...

[Cited by 1](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [Library Search](#)

Performance Enhancements for HPVM in Multi-Network and Heterogeneous Hardware - group of 5 »

G Bruno, A Chien, M Katz, P Papadopoulos - Proceedings of PDC annual conference, December, 1999 - www-csag.ucsd.edu

... eliminate the software overhead of timeout/**retransmission** strategies ... of two removes

any length **overflow** checks on ... the receive queue is a ring **buffer** of indices ...

[Cited by 2](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

Performance Evaluation of Multimedia Satellite Communications Systems Using On-board Packet ...

TH Bui - 1998 - collectionscanada.ca

... (b) shared-ring A **crossbar**-based switch A Knockout switch

[Web Search](#)

Information theory and communication networks: an unconsummated union - group of 9 »

A Ephremides, B Hajek - Information Theory, IEEE Transactions on, 1998 - ieeexplore.ieee.org

... the data, or to warn the low side client to slow down because the **buffer** is nearly

full, or to notify the low side client that the **buffer** did **overflow** and drop ...

[Cited by 78](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

A bibliography of ATM related papers

RO Onvural, HG Perros, G Pujolle - Annals of Operations Research, 1994 - Springer

... BT Doshi et al., **Retransmission** protocols and flow ... BG Haskell, **Buffer** and channel sharing by several ... interrupted Poisson process as an **overflow** process, Bell ...

[Web Search](#)

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A Cockcroft, R Pettit, S Microsystems - 1998 - books.google.com

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... to cope with correction from errors, eg request to **retransmit**. ... This can lead to problems of queue **overflow**. ... **Retransmission** usually does not cost very much. ...

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... The protocol would prevent **buffer overflow** at the destination and in the switch. The problem was solved by window flow con- trol. ...

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... occupancy, and when the trunks they contain are all busy, calls **overflow** to an ... In

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... the same packet to reduce end-to-end packet **retransmission**. ... organized in the classic double **buffer** scheme ... **Crossbar** networks can be considered an extreme case of ...

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... (Step 1) (to support **retransmission** if required ... observe from the 3 Some systems may include **buffer** management into this protocol to provide **overflow** safety ...

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that allow **buffer** manage- ... lation lookaside **buffer** (TLB). ...

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Page 1. 1 CURRICULUM VITAE November 1st, 2004 NAME: Hussein T. Mouftah DATE OF BIRTH:

January 4, 1947 MARITAL STATUS: Married, 3 Children CITIZENSHIP: Canadian ...

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